

## **Appendix I. Wetland Supplemental Forms**

COWOR (9A)

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-02  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

mown regularly  
standing water

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				2 central, between large drains (36") — large drain @ either end
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes Ditch wetland w/in Area 9A (NW to SE)
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Typha angustifolia</i> ✓ OBL				
2. <i>Juncus nodosus</i> OBL				
3. <i>Lythrum salicaria</i> ✓ OBL				
4. <i>Alisma subcordata</i> ✓ OBL				
5. <i>Juncus doylei</i> FACW				
6. <i>Prunella vulgaris</i> FAC				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

steep sided slopes ≈ 45%

photos @ 11:45

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Korn Brauer  
Area 9

Project/Site: Chicago O'Hare International Airport (ORD)

City/County: DuPage/Cook

Sampling Date: 7/29/19

Applicant/Owner: City of Chicago

State: Illinois

Wetland #: NW19-03

Investigator(s): Brauna Hartzell, Kim Shannon, Mead &amp; Hunt, Inc

Section, Township, Range:

NWI classification:

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?- mown regularly, constructed area  
- cracked soils, gromphus prairie  
FAC! Neutral

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				PILS 11:50
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes Shellmound fed by small drain flows south to inlet under apron
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				drains to NW19-02 to south
1. <i>Juncus tenuis</i>		X	FAC	
2. <i>Juncus (dudleyi)</i>		X	FACW	
3. <i>Carex strigata</i>			OBL	
4. <i>Rumex crispus</i>			FAC	
5. <i>Cytisum salicaria</i>			OBL	
6. <i>Hordeum jubatum</i>			FAC	
7. <i>Tritolium repens</i>			FACU	
8. <i>Plantago latifolia</i>			FACU	
9. <i>Persicaria penn.</i>			FACW	
10. <i>Echinochloa obtusa</i>			OBL	
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

16m = depression

Area 1

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/29/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NWI19-05  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.) Ken, Connor

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Ditch wetland
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum			= Total Cover	Other Notes
1.				
2.				
3.				
4.				
Herb Stratum			= Total Cover	shadow swale along west side of partial culvert carries flow under over road appears to connect to WONS which flows to stream running along Rd outside of Airport prop.
1.			FAEW	
2.			OBL	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
Wood Vine Stratum			= Total Cover	
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

16m - Lycopodium  
 Common - wet meadow/ditch



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD)City/County: DuPage/CookSampling Date: 7/30/19Applicant/Owner: City of ChicagoState: IllinoisWetland #: NW19-06Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc

Section, Township, Range: \_\_\_\_\_

NWI classification: PEMAre climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?Putting down mowers, mown regularly

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <u>Eleocharis obtusa</u>	<u>X</u>		<u>OBL</u>	
2. <u>Typha angustifolia</u>			<u>OBL</u>	
3. <u>Juncus nodosus</u>			<u>OBL</u>	
4. <u>Echinochloa crus-galli</u>			<u>FACW</u>	
5. <u>Hordeum jubatum</u>			<u>FAC</u>	
6. <u>Carex sp.</u>				
7. <u>Perizicaria penn</u>			<u>FACW</u>	
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<u>146M = depression</u>				
<u>community - wet meadow</u>				

## Other Notes

Cray fish burrow  
standing water - 2-3 inchesRainfall day priorMeets F6- Near stockpile- culvert exiting- Mown in area- wet swale near drain

4:25

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/1/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-07  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*mown in parts, debris construction  
tire ruts on west side*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				~30" culvert
2.				Flows south to north
3.				Culvert under access driveway
4.				
5.				
= Total Cover				Other Notes
Sapling/Shrub Stratum				- Standing water at culvert, extending south 250 ft
1.				- No soils pits
2.				- Parking lot drainage
3.				- Slope about 8 ft below lot on east
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	- gentler slope on west
2. <i>Alisma subcordatum</i>	X		OBL	- connects to north via culvert
3. <i>Sagittaria</i>			OBL	
4. <i>Eleocharis obtusa</i>			OBL	
5.				
6. <i>Centella</i>				
7.				
8. <i>Alisma subcordatum</i>	X		OBL	
9. <i>Sagittaria</i>	X		OBL	
10. <i>Typha angustifolia</i>			OBL	
11. <i>PCG</i>			FACW	
12. <i>Lythrum Salicaria</i>			OBL	
= Total Cover				
Wood Vine Stratum				
1.				- at north end, 3 culverts
2.				- one 30" and two side
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				
<div style="border: 1px solid black; padding: 5px;"> <i>Typha angustifolia</i>  <i>Sagittaria</i>  <i>Eleocharis obtusa</i>  <i>Lythrum Salicaria</i>  <i>Phragmites</i>  <i>Alisma subcordatum</i> </div>				<div style="border: 1px solid black; padding: 5px;"> <i>North</i>            - standing water            - Ditch            - 24" culvert flows in from east            - 30% slopes on west side            - Flow direction likely south         </div>

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/1/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NWI9-08  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? *mown regularly,*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? *mower ruts*

*Twyz near  
AARF*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>mower ruts collect water</i>
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum			= Total Cover	<b>Other Notes</b> <i>- Algal mats</i> <i>- glomerophyll position</i> <i>- Red as dark surface</i> <i>- cracked soils</i> <i>- drop mat just to south</i>
1.				
2.				
3.				
4.				
5.				
Herb Stratum			= Total Cover	
1. <i>Eleocharis obtusa</i>			<i>OBL</i>	
2. <i>Hordeum jubatum</i>	<i>X</i>		<i>EAC</i>	
3. <i>Echinochloa crus-galli</i>			<i>FACU</i>	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
Wood Vine Stratum			= Total Cover	
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)  
*10M - depression  
wet meadow*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD)

City/County: DuPage/Cook

Sampling Date: 8/1/19

Applicant/Owner: City of Chicago

State: Illinois

Wetland #: NW19-09

Investigator(s): Brauna Hartzell, Kim Shannon, Mead &amp; Hunt, Inc

Section, Township, Range:

NWI classification:

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

known, due to construction

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Rhynchospora alba</i>			FACW	
3. <i>Panicum capillare</i>			FAC	
4. <i>Typha angustifolia</i>			OBL	
5. <i>Hordeum jubatum</i>	X		FAC	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

## Other Notes

- hydric soils?
- restrictive layer @ 4 inches
- disordered soils
- soils coarse, geomorphic position
- maybe F6?
- culvert at south end

appears to be not connected.

Remarks: (Include photo numbers here or on a separate sheet.)

HGM = depression

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/2/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-16  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☒ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*industrial outflows*  
*construction of ditch*  
*Fuel Farm*  
*Ditch along*  
*Inside Fuel Farm*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
"South" Herb Stratum				
1. <i>Phragmites</i>	X		FAEW	
2. <i>Sagittaria</i>			OBL	
3. <i>Typha angustifolia</i>	X		OBL	
4. <i>Salix interior</i>			FAEW	
5. <i>Verbena hastata</i>				
6. <i>RIG</i>			FAEW	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

## Other Notes

- Rep rap-lined ditch
- standing water
- w/silt accumulation to support veg
- No soils dug
- Culvert at south end
- Receives flows from

- Industrial outfall from Fuel Farm
- 40% slope on either side
- 20 ft deep
- Connected to "northern" ditch via culvert under access road

Remarks: (Include photo numbers here or on a separate sheet.)

*10m = depression*  
*= ditch*

*60" culverts/drainage inlets*  
*under road and outfall*  
*trees + tassel clom near inlets*

*veg along ditch @ both sides changes to shrubs/trees as moving "north" - Rhynchospora*  
*Glomus americana, cottonwood, Prunus sp.? Honey locust*

*No connection N of access road - All Phragmites, slope at 10% thru bank of Phragmites*  
*linear depression*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/2/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NW19-11  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*shallow swale*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Phragmites australis</i>	<i>x</i>		<i>FTW</i>	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Other Notes

*Swale between road and fence*  
*overgrown at visit*  
*- geomorphic position*  
*- FAC - Neutral*  
*- Water-stained leaves*

*Soils very itty - likely disturbed, sedimentary layers in 1-3 inches*

Remarks: (Include photo numbers here or on a separate sheet.)

*Ditch wetland N of large, steep, rip rapped ditch #NW19-10*  
*Shallow swale near Fuel Farm; see notes for NW19-10*  
*Totally dominated by Phrag.*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/18/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland # NE19-15  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				5
2.				
3.				
4.				
5.				
		= Total Cover		Other Notes - Stormwater detention area - East side of heliport ramp ② MMF - NW heliport - Large culvert on south end
Sapling/Shrub Stratum				
1.				
2.				
3.				
		= Total Cover		- 2-3 inch rainstorm in morning before visit - standing water 10-6" depth - 36-inch culvert on south end
Herb Stratum				
1. <i>Symphoricarpos albertus</i> X			OBL	
2. <i>Elymus salicaria</i>			OBL	
3. <i>Phragmites australis</i>			FACW	
4. <i>Echinochloa crus-galli</i>			FACW	
5. <i>Ilex crispus</i>			FAC	
6. <i>Solidago sempervirens</i> (?)			FACW	
7. <i>Juncus nodosus</i>			OBL	
8. <i>Scirpus (fluvialis)</i>			OBL	
9. <i>Scheuchzeria palustris</i>			OBL	
10. <i>Hordeum jubatum</i>			FAC	
11. <i>Persicaria</i> sp.				
12.				
		= Total Cover		
Wood Vine Stratum				
1.				
2.				
		= Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)				



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/30/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-16  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*partially mown, mower ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Prz 10:55</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- Geomorphia punctata</i> <i>- Inlet at East end drains this ditch</i> <i>- mower ruts contributed to formation</i> <i>- Soils Redox Dark Surface</i> <i>- partially mown</i> <i>- FAC - Neutral</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	<i>- Soils crocker</i>
Herb Stratum				
1. <i>Phragmites australis</i>	<i>X</i>		<i>FACW</i>	
2. <i>Flebochara obtusa</i>	<i>X</i>		<i>OBL</i>	
3. <i>Echinochloa crus-galli</i>			<i>FACW</i>	
4. <i>Persicaria (maculosa)</i>			<i>OBL</i>	
5.				
6. <i>Carex sp.</i>				
7.				
8.				
9.				
10.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

*HGM = depression*  
*Community: wet meadow*



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/30/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland # NE19-17  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*mown, mower ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Ditch wetland</i>
2.				
3.				
4.				
5.				
= Total Cover				<b>Other Notes</b> <i>Culvert at east end - grade 24" - er</i> <i>- standing water 14" at culv</i> <i>- rainfall day prior</i> <i>- 10ft rip rap around culvert</i> <i>- soils met Redox dark</i> <i>- Standing water throughout</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<i>- upland soils below NE19-04</i> <i>- NE19-04 + NE19-05 are in same depression</i> <i>- NE19-05 is west of 04</i>
Herb Stratum				
1. <i>Agrostis stolonifera</i>	X		FACW	
2. <i>Hordeum jubatum</i>			FAC	
3. <i>Solidago sempervirens</i>			FACW	
4. <i>Phragmites</i>			FACW	
5. <i>Eleocharis obtusa</i>			OBL	
6. <i>Typha angustifolia</i>			OBL	
7. <i>Typha glauca</i>			OBL	
8. <i>Alisma subcordatum</i>			OBL	
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

*Hbm - Depression*  
*Canm = wet meadow*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

NW19-18

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 6/7/30/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: 18-00000000  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

18:30

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Area 6 near construction road
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes Soils met F3 @ 6 inches and All Area mown, soils disturbed from rutting
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	Standing water in ruts - pools along roadside in corner - Dirt road crossing at south of Area 6
Herb Stratum				
1. <i>Schoenoplectus tabernaemontani</i>			OBL	
2. <i>Echinochloa crus-galli</i>			FACW	
3. <i>Juncus roemerianus</i>			OBL	
4. <i>Echinochloa obtusa</i>			OBL	
5. <i>Carex sp.</i>				
6. <i>Rumex crispus</i>			FAC	
7. <i>Sagittaria arifolia</i>			FACW	
8.				
9.				
10.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Gravel road has impacted drainage and backed up water against it. Mowers have created ruts, collecting standing water.

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/30/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-19  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

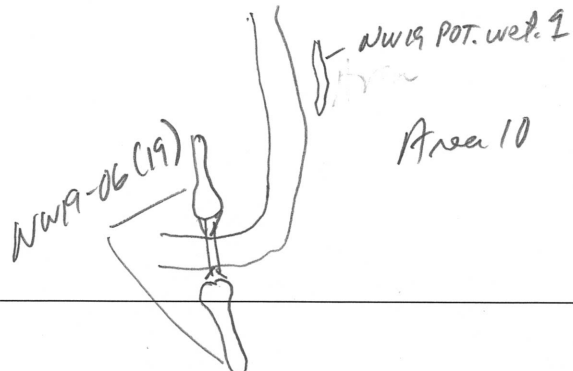
11:50  
mown, rutting Ditch wetland

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				36" cut flows south mower cuts
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes Standing water to 2-3 in Poor drainage due to ruts collects water Redox dark surface (3/1, 4/6)
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	continues under road to north  Flows south
Herb Stratum				
1. <i>Agrostis scabra</i>			FAW	
2. <i>Hordeum jubatum</i>			FAW	
3. <i>Solidago sempervirens</i>			FAW	
4. <i>Phragmites australis</i>			FAW	
5. <i>Atriplex patula</i>			FAW	
6. <i>Sclerophloeus tabernaemontani</i>			OBL	
7. <i>Typha angustifolia</i>			OBL	
8. <i>Typha angustifolia</i>			OBL	
9. <i>Boerhaavia fluminalis</i>			OBL	
10. <i>Echinochloa crus-galli</i>			FAW	
11. <i>Eleocharis obtusa</i>			OBL	
12. <i>Sclerophloeus tabernaemontani</i>				
			= Total Cover	
Wood Vine Stratum				
1. <i>Rumex crispus</i>			FAW	
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

HBM = depression  
Common = wet meadow/ditch



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/1/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-21  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? mown, mower ruts

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Drain on Area 5 East of cell tower shed Ditch wetland
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - F3 + A11 - Redox - Drop outlet at south end - 30" culvert under access road at north - Standing water in some places w/ ruts
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- saturation elsewhere - Rip rap around culvert - standing water at base
Herb Stratum				
1.				
2.	<i>Agrostis stolonifera</i>	X	FAEW	
3.	<i>Hordeum jubatum</i>		FAE	
4.	<i>Scirpus flammula</i>	X	OBL	
5.	<i>Phalaris arundinacea</i>		FAEW	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

*Hom-depression  
wet meadow*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/01/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland # NE19-22  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*Ditch*  
*Mown, diked construction*  
*Pics 2-10*  
*Typ C*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- connects to Area 9A
2.				- Triple elliptical at west end
3.				48" x 60" ?
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- Triple culvert at west end
2.				- large 48" culvert at east end
3.				- blown out culvert at west end
4.				- South slope ~ 80% to ~45
5.				- north slope ~ 30%
			= Total Cover	
Herb Stratum				
1. <i>Scheuchzeria palustris</i>			OBL	
2. <i>Alisma subcordatum</i>	X		OBL	
3. <i>Juncus roemerianus</i>			OBL	
4. <i>Sagittaria (cuneata)</i>			OBL	
5. <i>Lythrum salicaria</i>			OBL	
6. <i>Eleocharis obtusa</i>	X		OBL	
7. <i>Lemna minor</i>			OBL	
8. <i>Persicaria pensylvanica</i>			FAEW	
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

+ Algae

HGM = Lagoon wet meadow

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/1/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland # NE19-23  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: \_\_\_\_\_

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*Storm water basin*

*South basin @ um*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				<b>Other Notes</b> <i>Storm water basin</i> - standing water throughout - 1 ft deep - stagnant - algal mats on water imple - No soils dug
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 7/16/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-24  
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☐, or Hydrology ☐ significantly disturbed?

*invasive dominated*

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Near Crystal Creek Section 3</i>
2.				
3.				
4.				
5.				
		= Total Cover		<b>Other Notes</b> <i>- shallow swale</i> <i>- dominated by phragmites</i> <i>- one inlet culvert at east end</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
		= Total Cover		
Herb Stratum				
1. <i>Phragmites australis</i>			<i>FEW</i>	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		= Total Cover		
Wood Vine Stratum				
1.				
2.				
		= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-25  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc. Connor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown regularly, taxiway construction and landscaping  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Near Taxiway S2 + American Airlines Air Cargo
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Shallow swale which drains to an inlet to Southeast. - Inlet covered by soil - Headcut - eroded - Meets FG (Redox Dark) - oxidized Rhizospheres - Some rutting - Rainstorm previous night ~ 0.5" - standing water Pics 8:30-8:50
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	X		FAEW	
2. <i>Agrostis Stolonifera</i>			FAEW	
3. <i>Eleocharis obtusa</i>			OBL	
4. <i>Cyperus esculentus</i>			FAEW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Boundary on west side - toe slope  
 East side by Δ's in vegetation  
 H&M = depression  
 Common. = wet meadow / ditch wetland



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-26  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONOR Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown regularly, taxiway construction

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>Near Taxiway "S"</u>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <u>- Meets F6, F3, A11</u> <u>- Rainstorm previous night "0.5"</u> <u>- Poor drainage</u> <u>- Inlet at north end</u> <u>dig</u> <u>- Geomorphing point</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<u>Cyperus lesculentus</u>	<u>X</u>	<u>FACW</u>	
2.	<u>Juncus tenuis</u>	<u>X</u>	<u>FAC</u>	
3.	<u>Echinochloa crus-galli</u>	<u>X</u>	<u>FACW</u>	
4.	<u>Friphorum repens</u>		<u>FACU</u>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<u>Pres</u>
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Uplands - Setaria, white clover, plantago lanceolata  
HBM = depression  
Wet meadow/ditch

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-27  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conner Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown regularly, mower ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>South of 10C near taxiway T - "Area 8"</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- Oxi. Rhizos</i> <i>- Standing water at culvert exit and in mower ruts</i> <i>- mower ruts</i> <i>- meets F6</i> <i>- soils cracks, some</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<i>x</i>		<i>FACW</i>	
2.	<i>x</i>		<i>OBL</i>	
3.			<i>FACW</i>	
4.			<i>OBL</i>	
5.			<i>FAC</i>	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>- Culvert drains to a deep inlet</i> <i>- Depression</i>				

Pics 11:20

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-28  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown regularly, soils disturbed  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? by mowers/ruts

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- at drop inlet - mown ruts hold standing water -
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Soils meet F6, F3? - poor drainage due to mown ruts, backs up water - security gate 4C
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<u>X</u>		<u>OBL</u>	
2.	<u>X</u>		<u>OBL</u>	
3.			<u>OBL</u>	
4.			<u>OBL</u>	
5.			<u>FAW</u>	
6.			<u>OBL</u>	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.) <u>Hom-depressin</u>				

Pics 12:01

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-29  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONIR Section, Township, Range: 2p 21s  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

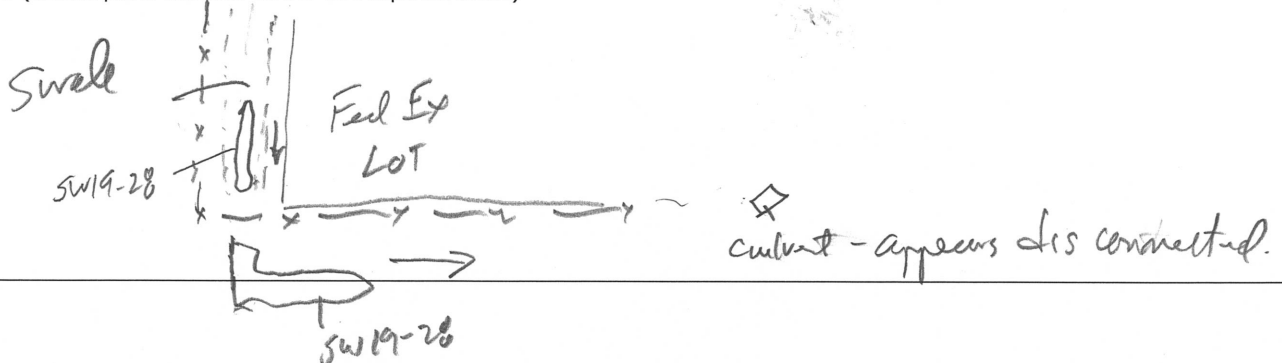
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown regularly, rutting  
constructed swale*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- Swale receives drainage from Fed Ex Swale to north.</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- soils compacted &amp; disturbed due to rutting            - Based on Obligate veg            - geomorphic position            - FAC Neutral            - No standing water</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				<i>- continues to north through band of rip rap under fence            - 2 parts            - north side very disturbed by mowers, ruts</i>
1.	<i>Typha angustifolia</i>	X	OBL	
2.	<i>Cyrtus salicaria</i>		OBL	
3.	<i>Cyperus (esulentus)</i>		FACW	
4.	<i>Echinochloa crus-galli</i>	X	FACW	
5.	<i>Eleocharis obtusa</i>	X	OBL	
6.				
7.	<i>Typha angustifolia</i>	X	OBL	
8.	<i>Bolboschoenus flav.</i>	X	OBL	
9.	<i>Cyrtus salicaria</i>		OBL	
10.	<i>Alisma subcordatum</i>		OBL	
11.	<i>Eleocharis obtusa</i>		OBL	
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-30  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown regularly,  
swale construction @ edge of paved  
area.*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Near Fed Ex Cargo
2.				- West swale
3.				- Drains to north
4.				- Swale
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- Depleted matrix
2.				- Culvert @ north end
3.				- Geographic position
4.				- Creaked soils
5.				- FHC Neutral
			= Total Cover	- Culvert on north
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Echinocloa crus-galli</i>	X		FAEW	
3. <i>Typha angustifolia</i>			OBL	
4. <i>Persicaria penn.</i>			FAEW	
5.				
6. <i>Juncus nodosus</i>	X		OBL	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)  
*Hom - depression*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-31  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☒ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*very disturbed due to mowing,  
rutting; hydrology impacted*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Near Fuel Ex cargo, north side, Taxiway Z1</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - 24" culvert - L-shaped - drop in bit in "L" - drains to another culvert on east - Standing water in ruts and at culvert exit on north; also on east
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	<b>PICS:</b> culvert  No soil pit; assumed by standing water + connection - connects to SW19-30 via culvert (see)
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Panicum penn.</i>			FACW	
3. <i>Phragmites australis</i>	X		FACW	
4. <i>Cyperus esculentus</i>			FACW	
5. <i>Eleocharis obtusa</i>			OBL	
6. <i>Bolboschoenus thevialis</i>			OBL	
7. <i>Schoenoplectus tabernaem.</i>			OBL	
8.				
9.				
10.				
			= Total Cover	w/F3
Wood Vine Stratum				
1.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)  
*Hbm - depression*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/15  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 19-32  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Cover Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? Area mown regularly, swale constructed

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Drop inlet at west end - swale drains to west
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Algal mats forming - standing water from previous - Depleted Nitrate (F3) - Geomorphic position - FAC Neutral - Some bare soil in areas where rutted
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <u>Echinochloa crus-galli</u>	<u>X</u>		<u>FACW</u>	
2. <u>Typha angustifolia</u>			<u>OBL</u>	
3. <u>Agrostis stolonifera</u>			<u>FACW</u>	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	Pics 3:00pm
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Depression



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-33  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown regularly; soils disturbed  
due to rutting from mowers*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>swale</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- cracked soils</i> <i>- Depleted matrix (F3) only</i> <i>- depletion of soil from previous stockpile runoff</i> <i>- Isolated</i> <i>- no inlet or outlet</i> <i>- Geomorphic position</i>  <i>- FAC Neutral</i>  <i>Need pics</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Echinochloa crus-galli</i>	<i>X</i>		<i>FACW</i>	
2. <i>Eleocharis obtusa</i>	<i>X</i>		<i>OBL</i>	
3. <i>Typha angustifolia</i>			<i>OBL</i>	
4. <i>Agrostis stolon.</i>			<i>FACW</i>	
5. <i>Bolboschoenus thurberi</i>			<i>OBL</i>	
6. <i>Hordeum jubatum</i>			<i>FAC</i>	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>HBM = Depression</i>				



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/13/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-34  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*mown occasionally, some construction*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- 36" arch culvert at west end - appears blocked or non-functioning - check debris along
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> ditch to east - much (A10) at culvert but further east no hydric soils - geomorphic point bar - standing water near culvert
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- Boundary to slope - veg continues east but no soils present - much soil present no redox / dyked Pics 5:10pm
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Scheuchzeria palustris</i>	X		OBL	
3. <i>Eleocharis obtusa</i>			OBL	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

*depression*

**WETLAND DETERMINATION SUPPLEMENTAL FORM**

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-35  
Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CENR Section, Township, Range: \_\_\_\_\_  
NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

known, soil disturbance due to grading + construction of RSH + track construction

**ADDITIONAL VEGETATION - Use scientific names of plants**

	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
Tree Stratum				
1.				
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum		= Total Cover		Other Notes
1.				- Barely vegetated surface
2.				- crooked soil
3.				- no outlet
4.				- standing water in a small pool @ south end.
5.				- mostly bare
Herb Stratum		= Total Cover		- F3 and F6
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Rumex crispus</i>	X		FAC	
3. <i>Solidago sempervirens</i>			FACW	
4. <i>Schoenoplectus palustris</i>			OBL	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
Wood Vine Stratum		= Total Cover		Pics 8:45
1.				
2.				
		= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

# Depression

Pics 10:00 am

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-36  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONOR Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? swale construction; mow regularly

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- long swale on west side Taxiway 2
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Geomorphin position - FAC - Neutral - Mower cuts collect runoff - Depleted matrix - soils disturbed - large piece found at depth - Prevalence of wetland veg - Hydric + Depleted matrix
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <u>Eleocharis obtusa</u>	<u>X</u>		<u>OBL</u>	
2. <u>Juncus nodosus</u>			<u>OBL</u>	
3. <u>Agrostis stolon.</u>			<u>FACW</u>	
4. <u>Echinodora crisp-galli</u>			<u>FACW</u>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Depression

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-37  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONVR Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*mown regularly; sedge grading & construction; mower ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Sagittaria arifolia</i>			OBL	
4. <i>Phragmites australis</i>			FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

## Other Notes

- Depleted matrix + #11
- Standing water at 36" culvert
- Riprap lined culvert
- Boundary to slope
- Saturated soils elsewhere
- Rain storm previous night

Pics 10:40

Remarks: (Include photo numbers here or on a separate sheet.)

*Depression*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-38  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown; mower ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- 106 NSA near Bldg 34</i>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <i>- Marks F6</i> <i>- 30" culvert @ west end</i> <i>- Erosion on hillside above contributing</i> <i>- swale run E-W</i> <i>- some bare soil in ruts</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	<i>Pics 11:15</i>
Herb Stratum				
1. <i>Typha angustifolia</i>		X	OBL	
2. <i>Eleocharis obtusa</i>		X	OBL	
3. <i>Phragmites australis</i>			FACW	
4. <i>Taraxacum officinale</i>			FAC	
5. <i>Sagittaria arifolia</i>			OBL	
6. <i>Scirpus atrovirens</i>			OBL	
7.				
8.				
9.				
10.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

*Depression*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-40  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mowed regularly; mowers run

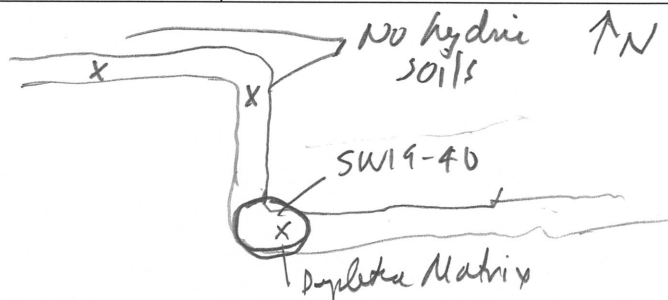
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>Swale North side 10L PSA</u>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> - Dephited Matrix - Shallow basin collects water from east; mowers have disturbed soils to create pockets to collect water - Bare soil over much of basin
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- Geomorphia position - FAC - Neutral - Boundary - toeslope - Slight rise on west end RLS 2:50 pm
Herb Stratum				
1. <u>Typha angustifolia</u>	<u>X</u>		<u>OBL</u>	
2. <u>Alisma subcordatum</u>	<u>X</u>			
3. <u>Hordeum jubatum</u>			<u>FAC</u>	
4. <u>Schoenoplectus tatar.</u>			<u>OBL</u>	
5. <u>Eleocharis obtusa</u>	<u>X</u>		<u>OBL</u>	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

HOM = Depression  
X = Soils check  
- Soils disturbed / mixed but no hydric  
- excluded rest of swale  
Based on lack of hydric soil indicators



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/14/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-41  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc CONV Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

area mown regularly; soils

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- South Denton pond - Shallow swale - check dam @ east end - large deep inlet further east
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				<b>Other Notes</b> - crayfish burrow - geodaphne portion - FAC - Neutral - 2" depleted matrix starting w/in top 4" (F-3) - no entry culvert
1.				
2.				
3.				
4.				
			= Total Cover	
Herb Stratum				Pres 4:10 pm  Did not include drop mat to east as separated by upland veg. - crown vetch, broadweed
1. <i>Lythrum salicaria</i>	X		OBL	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Echinocloa crus-galli</i>	X		FACW	
4. <i>Typha angustifolia</i>			OBL	
5. <i>Phragmites australis</i>	X		FACW	
6. <i>Persicaria lapathifolia</i>			OBL	
7. <i>Verbena hastata</i>			FACW	
8. <i>Persicaria penn.</i>			FACW	
9. <i>Cyperus esculentus</i>			FACW	
10. <i>Apocynum cannabinum</i>			FAC	
11.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Depression



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-42  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Coner Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area mown, mower ruts

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<u>- Swale - 10C west of tunnel</u>
2.				
3.				
4.				
5.				
			= Total Cover	<b>Other Notes</b> <u>- standing water</u> <u>- drop inlet blocked/covered</u> <u>- depleted matrix 5/1, 5/2</u> <u>- Boundary at top edge on north; south more gradual - D's veg.</u>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<u>X</u>		<u>OBL</u>	
2.	<u>X</u>		<u>OBL</u>	
3.			<u>OBL</u>	
4.	<u>X</u>		<u>OBL</u>	
5.			<u>FACU</u>	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	<u>Pics 9:30</u>
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Hom = depression



## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEP-43  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: Cenar  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*mower, ruts*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Near Hwy N</i>
2.				
3.				
4.				
5.				
Sapling/Shrub Stratum			= Total Cover	<b>Other Notes</b> <i>- FAC Neutral</i> <i>- Soil cracks</i> <i>- Depleted matrix</i> <i>- mower ruts collect water</i> <i>- primarily facultative</i>
1.				
2.				
3.				
4.				
Herb Stratum			= Total Cover	<i>Pis 10-45</i>
1.			<i>FACW</i>	
2.	<i>X</i>		<i>FACW</i>	
3.	<i>X</i>		<i>FAC</i>	
4.	<i>X</i>		<i>FAC</i>	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
Wood Vine Stratum			= Total Cover	
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

*depression wet meadow*

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 3/15/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-44  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Cover Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

mower cuts significantly disturbed:  
no to little veg

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Betum South Perimeter Rd + 10L (@ 4)
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Meets F6, F3 - Bare vegetated - standing water - 6" drain from runway at north side - Culvert under road drains south - silt cover in place,
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				riprap - cracked soils  Dcs 11:30
Herb Stratum				
1. <i>Typha angustifolia</i>			OBL	
2. <i>Solidago sempervirens</i>			FACW	
3. <i>Hydrum jubatum</i>			FAC	
4. <i>Phragmites australis</i>			FACW	
5.				
6.				
7.				
8.				
9.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

d epression

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW 19-45  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Conor Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? mown, ruts

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Near Runway 10R + Bldg 012 DR sign = 6
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Flows east - 24" culvert @ west end w/ rip rap & grate - Headcut off of road on south side of culvert - Standing water at culvert and in ruts
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Depleted matrix - matching culvert on west side, clay, no veg
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Bolboschoenus fluviatilis</i>	X		OBL	
3. <i>Typha angustifolia</i>			OBL	
4. <i>Cyperus sp.</i>			OBL	
5. <i>Phragmites australis</i>			FACW	
6. <i>Hordeum jubatum</i>			FAC	
7.				
8.				
9.				
10.				
= Total Cover				Res 11-95
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Item = depression

## WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 8/15/19  
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-47  
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: \_\_\_\_\_  
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☒ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*area mown, ruts and altered hydro regularly*

## ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Swale near Saginaw Ave intersection &amp; perimeter Rd</i>
2.				
3.				
4.				
5.				
			= Total Cover	<i>- Depleted matrix (mud)</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	<b>Other Notes</b> <i>- Drop inlet near road</i> <i>- transfer ruts hold water</i> <i>- veg dry in places but some standing water in ruts.</i> <i>- Roadside consists of gravel shoulder</i> <i>- Bird at toeslope on road side</i> <i>- A's veg on infield side</i> <i>- Geomorphi patch</i> <i>- slight swale</i> <i>- view off from infield gets obscured along road and in adequate</i>
Herb Stratum				
1.	<i>Andropogon furcatus</i>	X	FAC	
2.	<i>Eolidag. sempervirens</i>	X	FACN	
3.				
4.				<i>- drainage</i> <i>- FAC - Neutral</i>
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

*H&M = Depression*

*Pics ~ 3:30*